

Memo

To: Board of Managers

From: Michael Younes, Director of Municipal Operations *MY*

CC: Shana Davis-Cook, Village Manager

Date: 3/4/2015

Re: Streetlight Dark Spots Follow-up

At the Board's February 9 regular meeting, staff presented a report on existing "darkspots" in the Village's streetlight network. After Board review and discussion on re-energizing an existing freestanding light located in front of 5 Chevy Chase Circle, staff was instructed to research the costs and the logistical requirements for removing the existing ground mounted sidewalk light and installing a standard PEPCO pole and streetlight fixture.

Based on staff's research and consultation with PEPCO, below is a revised breakdown of costs and logistical requirements to install a traditional PEPCO pole and streetlight:

- *Disconnecting existing PEPCO underground feed –*

Before a new pole is installed in the Boxwood area, and since it would be in line with the existing underground electric feed, the underground feed needs to be disconnected from the PEPCO power pole located on Grafton Street. PEPCO has advised that the underground feed can be abandoned in place rather than dug up. PEPCO has confirmed that the underground feed is in good working order.

- *Removal of freestanding light –*

Once PEPCO has disconnected the underground electrical feed, the Village would be responsible for removing the freestanding light.

- *Installation of new pole and light –*

Once the freestanding light is removed, PEPCO and Village staff would meet to determine the exact placement of the new power pole, at which time PEPCO will install the new pole, associated overhead electric wiring and new streetlight.

Task	Responsibility	Estimated Cost
Disconnecting PEPCO Underground Feed	PEPCO	\$525
Removal of freestanding light	Village	\$500
Installation of New Pole and Light	PEPCO	\$3,150
Total		\$4,175

In addition to PEPCO, staff also spoke with the licensed electrician working on the Village Hall building repairs to establish an estimated cost for the replacement of the existing fixture's ballast. Since PEPCO has confirmed that the underground feed is functioning properly, the mostly likely reason the existing light is not working is that the ballast has gone bad. *The electrician estimated that replacement of the ballast would cost, with labor, no more than \$300. On the high end if the wiring between the light and base of the pole needs replacing it would cost, including labor, no more than \$500.*

Cost Adjustment Required

After a final inspection by PEPCO of the three (3) new streetlight locations, they have determined that additional work is required in order to activate 2 of the 3 new lights. Because there is no remaining capacity on the secondary electric feed at 2 of the locations, PEPCO must install two (2) new transformers to bring additional electrical capacity. Originally, PEPCO estimated \$3,333 for the install; however, with the additional transformers and associated gross up tax (\$900; of which the Village is not exempt from paying) PEPCO's final cost to the Village will be \$5,342 (an increase of \$2,009). Regardless if the Village installs LED or High Pressure Sodium lights in these locations, new transformers would still be required.

Board Action

Part 1: Boxwood Area Pole Light

Staff seeks direction on how the Board would like to proceed.

A. Remove the existing freestanding light and engage PEPCO to install standard pole and LED cobra-head fixture, at an estimated cost of \$4,175.

OR

B. Contract with a licensed electrician to re-energize the existing freestanding streetlight, at a cost not to exceed \$500.

Part 2: Cost Adjustment Authorization Request

Staff requests authorization to direct PEPCO to continue the installation of three (3) – LED streetlights as outlined above at a total cost of \$5,342, an increase of \$2,009 from the amount authorized by the Board in February.

No budget allocations are required at this time; there is sufficient budget for both items within the FY2015 capital budget.